PTO/SB/51 (02-01)
Approved for use through 01/31/2004. OMB 0651-0033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

| Docket Number (Optional)

REISSUE APPLICATION DECLARATION BY THE INVENTOR	30545.11
As a below named inventor, I hereby declare that: My residence, mailing address and citizenship are stated below ne I believe I am the original, first and sole inventor (if only one name joint inventor (if plural names are listed below) of the subject matte in patent number 6,196,311, granted March 6, 2001 reissue patent is sought on the invention entitled UNIVERSAL CEMEN	is listed below) or an original, first and r which is described and claimed
the specification of which	
is attached hereto.	
was filed onas reissue application nu and was amended on	ımber/
(If applicable)	
I have reviewed and understand the contents of the above identifier as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to a 37 CFR 1.56. I verily believe the original patent to be wholly or partly inoperative to below. (Check all boxes that apply.)	patentability as defined in
by reason of a defective specification or drawing.	
by reason of the patentee claiming more or less than he had the	e right to claim in the patent.
by reason of other errors.	
At least one error upon which reissue is based is described below. It reissue, such must be stated with an explanation as to the nature of	f the reissue is a broadening the broadening:
Patentee erred in not presenting claims during the prosecution of the paticementing plug for use in a cementing casing in a well, the plug comprisi central opening therethrough and having a longitudinal axis; and an elast the body member and comprising a first conical portion extending radially member and at an acute angle with respect to the body member, and a sadjacent the first conical portion and extending radially outwardly from the angle with respect to the body member, the second conical portion overlain an axial direction so that the outer surfaces of the conical portions toge the axial length of the body member, and deflect into substantially cylindrian inner surface of the casing when the plug is disposed in the casing.	ing a body member defining a stomeric jacket disposed around of outwardly from the body second conical portion disposed to body mmber and at an acute apping the first conical portion ether extend continuously along



PTO/SB/51 (02-01)
Approved for use through 01/31/2004. OMB 0651-0033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
to a collection of information unless it displays a walld OND account.

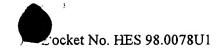
Onder the Paperwork Ri	eduction Act of 1995, no persons are required to respon	d to a collection of i	nformation			
(REISSUE APPLI	CATION DECLARATION BY THE INVE	ENTOR, page	2)	Doi 30545.11	cket Number	r (Optional)
All errors correcte	ed in this reissue application arose w	ithout any de	- eceptive	intenti	on on the	e part of the
applicant. As a na	med inventor, I hereby appoint the fol	lowing attorne	y(s) an	d/or age	ent(s) to p	rosecute this
application and tra	nsact all business in the United States	Patent and Tra	ademar	k Office	connected	d therewith.
Name(s)	Registration Number					
- Warren B. Kice (Reg. No. 22 26 528): Daniel F. Burke (Re	,732); David L. McCombs (Reg. No. 32,271); Michael J. Belconi- g. No. P-46,588); L. Howard Chen (Reg. No. P-46,615); Randali	Lamica (Reg. No. 34,29	1); Jeffrey I	d. Becker (Re	g. No. 35,442);	J.R. Beil (Reg. No.
DeLeon (Reg. No. 37,812); T	im Headley (Reg. No. 31,765); Brian J. Hubbard (Reg. No. 45,87	3): Rita M. Irani (Rec.	No. 31 0281	Christopher	R Kosh7gen k	スプラブスのできるよう
and David O. Simmons (Reg	Bill R. Nalleh (Reg. No. 44,062); David M. O'Dell (Reg. No. 42,0) . No. 43,124)			x. P-46,99 1}; ∣	Brandi-W. Sadal	ie (Reg. No. 37,713);
	ddress: Direct all communications about	ut the applicati	on to:	Γ		
Customer Nu			→	i _		Number Bar
	Type Customer Number	here		Code L	abel here	
Firm or Individual Name	WARREN B. KICE	-				
Address	HAYNES AND BOONE, LLP					
Address	901 MAIN STREET, SUITE 3100					
City	DALLAS	State	TEXAS		Zip	75202-3789
Country	UNITED STATES OF AMERICA					
Telephone	214-651-5634	Fax	214-6	51-5940		
made on information the knowledge that or both, under 18 that application, any pate	at all statements made herein of my on and belief are believed to be true; as willful false statements and the like so J.S.C. 1001, and that such willful falsent issuing thereon, or any patent to whether the statement is the statement is suing the statement.	nd further that made are pur e statements ich this declar	these nishable may je	stateme e by fine opardize	nts were in a second in the se	made with
HAROLD O. TREECE	first inventor (given name, family name)				
Inventor's signature	2/1100	Date Q -	11	- /		
Residence 213 Ridgecrest Drive, Duncan, OK 73533		7'21'01				
		Citizenship	USA			
Mailing Address sam						
	joint inventor (given name, family name	;)				
		T				
Inventor's signature		Date			_	
		Citizenship	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Mailing Address						
Full name of third join	nt inventor (given name, family name)					
						İ
Inventor's signature		Date				
Residence ///////////////////////////////////		Citizenship				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Mailing Address ///////			······································			
	ors are named on separately numbered sheets a	ttached berete				

PTO/SB/53 (02-01)
Approved for use through 01/31/2004. OMB 0651-0033
U.S. Palent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REISSUE APPLICATION: CONSENT OF ASSIGN STATEMENT OF NON-ASSIGNMENT	NEE; Docket Number (Optional) 30545.11			
This is part of the application for a reissue patent based on the original patent identified below.				
Name of Patentee(s) HAROLD O. TREECE				
Patent Number 6,196,311	Date Patent Issued MARCH 6, 2001			
Title of Invention UNIVERSAL CEMENTING PLUG				
1. Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96)				
2. Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect.				
One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee". The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.				
The assignee(s) owning an undivided interest in said original patent is/are _HALLIBURTON ENERGY SERVICES, INC. and the assignee(s) consents to the accompanying application for reissue.				
Name of assignee/inventor (if not assigned)				
Signature	Date			
Typed or printed name and title of person signing for assignee (if Signature CRAIC W. RODDY Printed Name	assigned) 9-21-2001 te			

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



ASSIGNMENT OF APPLICATION

whereas, i, Harold O. Treece, of Duncan, Oklanoma U.S.A., hereinatter referred to as applicant,
have invented certain new and useful improvements in UNIVERSAL CEMENTING PLUG
for which an application for a United States Patent was filed on, Application Number
[X] for which an application for a United States Patent was executed on October 20, 199
and
Whereas, Halliburton Energy Services, Inc. of Houston, Texas 77020 herein referred to
"assignee" whose post office address is 4100 Clinton Drive, Houston, Texas 77020 is desirous of
acquiring the entire, right, title, and interest in the same;
Now, therefore, in consideration of the sum of ten dollars (\$10.00), the receipt whereof is
acknowledged, and other good and valuable consideration, I/WE, the applicant, by these presents
do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in
the United States and in all foreign countries and the entire, right, title and interest in any to any
and all Patents which may be granted therefor in the United States and in all foreign countries, I
hereby authorize and request the Commissioner of Patent and Trademarks to issue said United
States Patent and all foreign counterparts to said assignee, of the entire right, title, and interest in
and to the same, for its sole use and behoof; and for the use and behoof of its legal
representatives, to the full end of the term for which said Patents may be granted, as fully and
entirely as the same would have been held by me and had this assignment and sale not been
made.
Executed this 20th day of October, 1998, at Duncan, Stephens County, Oklahoma U.S.A.
Harlo O. Juen
Signature
State of Oklahoma)
Ounty of Stephens)
Before me personally appeared said Harold O. Treece and acknowledged the foregoing
instrument to be his free act and deed this day of October, 1998.
Seal Sheila D. Diblis
(Notary Public)



Dock t No.:

PTO/SB/96 (6-98)

Approved for use through 09/30/2000, OMB 0651-0031

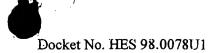
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it displays a valid OMB control number.

STATEMEN	IT UNDER 37 CFR 3.	.73(b)
Applicant/Patent Owner: HALLIBURTON ENERGY	Y SERVICES, INC.	
Application No./Patent No.: 6,196,311	Filed/Issue Date:	March 6, 2001
Entitled: UNIVERSAL CEMENTING PLUG		
HALLIBURTON ENERGY SERVICES, INC. , a _	corporation	
(Name of Assignee) (T)	/pe of Assignee, e.g., corporation, pa	artnership, university, government agency, etc.)
states that it is:		
1. X the assignee of the entire right, title, and interest;	or	
2. an assignee of an undivided part interest		
in the patent application/patent identified above by virtue	of either:	
A. [X] An assignment from the inventor(s) of the patent appl Patent and Trademark Office at Reel 9536, Frame	lication/patent identified above 0711, or for which a copy to	e. The assignment was recorded in the thereof is attached.
OR		
B. [] A chain of title from the inventor(s), of the patent applic	ation/patent identified above,	to the current assignee as shown below:
The document was recorded in the Patent and Reel, Frame, or for white, and, and, and, and, and, and, and, and, and	Trademark Office at	
2. From:	То:	
The document was recorded in the Patent and Reel, Frame, or for whi	Trademark Office at	
3. From:	To:	
The document was recorded in the Patent and Reel, Frame, or for white	Trademark Office at	
[] Additional documents in the chain of title are I		
[] Copies of assignments or other documents in the chain of [NOTE : A separate copy (i.e., the original assignment do must be submitted to Assignment Division in accordance recorded in the records of the PTO. See MPEP 302-302.	f title are attached. cument or a true copy of the copy with 37 CFR Part 3, if the as	Original document)
The undersigned (whose title is supplied below) is empowered	to sign this statement on beh	nalf of the assignee.
9-21-2001	Claigh. Ko	ddy
Date (Signature CRAIG W. RODDY	
·	Typed or printed	name
·	COUNSEL	and the second s

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.





ASSIGNMENT OF APPLICATION

Whereas, I, Harold O. Treece, of Duncan, Oklahoma U.S.A., hereinafter referred to as applicant,
have invented certain new and useful improvements in UNIVERSAL CEMENTING PLUG
[] for which an application for a United States Patent was filed on, Application Number/
[X] for which an application for a United States Patent was executed on October 20, 199
and
Whereas, Halliburton Energy Services, Inc. of Houston, Texas 77020 herein referred to
"assignee" whose post office address is 4100 Clinton Drive, Houston, Texas 77020 is desirous of
acquiring the entire, right, title, and interest in the same;
Now, therefore, in consideration of the sum of ten dollars (\$10.00), the receipt whereof is
acknowledged, and other good and valuable consideration, I/WE, the applicant, by these presents
do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in
the United States and in all foreign countries and the entire, right, title and interest in any to any
and all Patents which may be granted therefor in the United States and in all foreign countries, I
hereby authorize and request the Commissioner of Patent and Trademarks to issue said United
States Patent and all foreign counterparts to said assignee, of the entire right, title, and interest in
and to the same, for its sole use and behoof; and for the use and behoof of its legal
representatives, to the full end of the term for which said Patents may be granted, as fully and
entirely as the same would have been held by me and had this assignment and sale not been
made.
Executed this <u>AD+h</u> day of October, 1998, at Duncan, Stephens County, Oklahoma U.S.A.
2/200 June
Signature Signature
State of Oklahoma)
County of Stephens)
county of displicits)
Before me personally appeared said Harold O. Treece and acknowledged the foregoing
instrument to be his free act and deed this day of October, 1998.
Seal Sheila D. Siblis
(Notary Public)

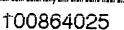
FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

10/2 01 F



10-30-1998







U.S. Department of Commerc Patent and Trademark-Office

PATENT A

RECORDATION FORM COVER SHEET PATENTS ONLY

TO: The Commi	ssioner of Patents and Trademark	s: Please record the attached original document(s) or copy(ies).
Submission 1		Conveyance Type MRD
X New		X Assignment Security Agreement 10-20-98
Resubmiss Document	sion (Non-Recordation) ID#	License Change of Name
Correction Reel # Corrective Reel #	of PTO Error Frame # Document Frame #	Merger U.S. Government (For Use ONLY by U.S. Government Agencies) Departmental File Secret File
Conveying Pa		
	Harold O. Treece	Mark if additional names of conveying parties attached Execution Date Month Day Year 10 20 98
Name (line 2) Second Party Name (line 1)		Execution Date Month, Day Year
Name (line 2)		
Receiving Par	rty	Mark if additional names of receiving parties attached
Name (line 1)	Halliburton Energy Servi	CES, Inc. If document to be recorded is an assignment and the receiving party is not
Name (line 2)		domiciled in the United States, an appointment
Address (line 1)	4100 Clinton Drive	of a domestic representative is attached. (Designation must be a
Address (line 2)		Separate document from Assignment.)
Address (line 3)	Houston City	Texas/U.S. 77020 State/Country Zip Code
Domestic Rep	presentative Name and Ad	
Name		
Address (line 1)		
Address (line 2)		
Address (line 3)		
Address (line 4)	•	
0/1998 DNGUYEN 0000 2:581 40.00	· · · · · · · · · · · · · · · · · · ·	DR OFFICE USE ONLY

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS 70 THIS ADDRESS.





U.S. Department of Commerce Patent and Trademark Office PATENT

/	
Correspondent Name and Address Area Code and Telephone Number 580-251-3012]
Name Craig W. Roddy	
Address (line 1) Halliburton Energy Services	j
Address (line 2) P. O. Box 1431	
Address (line 3) Duncan, Oklahoma 73536-0102	
Address (line 4)	
Pages Enter the total number of pages of the attached conveyance document including any attachments. # 3	
Application Number(s) Mark if additional numbers attached	
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).	
Patent Application Number(s) Patent Number(s)	
	\neg
09/175,664	
	_
If this document is being filed together with a <u>new</u> Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Ye 10 20 9	ar 8
Patent Cooperation Treaty (PCT)	
Enter PCT application number PCT PCT PCT PCT PCT	
only if a U.S. Application Number	
only if a U.S. Application Number PCT PCT PCT PCT PCT PCT	
Number of Properties	
Enter the total number of properties involved. # One	
Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00	
Method of Payment: Enclosed Deposit Account X Deposit Account	
(Enter for payment by deposit account or if additional fees can be charged to the account.)	
Deposit Account Number: # 08-0300	
Authorization to charge additional fees: Yes X	
Statement and Signature	
To the best of my knowledge and belief, the foregoing information is true and correct and any	
attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.	
Craig W. Roddy Caig W. Porkly October 20, 1998	
Name of Person Signing Signature Date	



UNITED STA. DEPARTMENT OF COMMERCE Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

FEBRUARY 17, 1999

PTAS

HALLIEURTON ENERGY SERVICES CRAIG W. RODDY P.O. BOX 1431 DUNCAN, OKLAHOMA 73536-0102 RECENHARING #100864025A*

FEB 2 5 1999

CRAIG W. RODDY

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/20/1998

REEL/FRAME: 9536/0711

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TREECE, HAROLD O.

DOC DATE: 10/20/1998

ASSIGNEE:

HALLIBURTON ENERGY SERVICES, INC. 4100 CLINTON DRIVE HOUSTON, TEXAS 77020

SERIAL NUMBER: 09175664

PATENT NUMBER:

FILING DATE: 10/20/1998

ISSUE DATE:

TARA WASHINGTON, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS